

Vegetation Unit Summaries for Washington Park (WASH)

Report date: 7/29/2009 '*' = non-native invasive species

Visit data as of: 7/29/2009

Unit WASH*001

Size: 15.98 Acres

NVCS Class: Sparse vegetation

NVCS Subclass: Consolidated rock sparse vegetation **NVCS Group:** Sparsely vegetated bedrock or pavement

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: East

Notes: This polygon represents the road system within Washington Park

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0%

General Note:

This polygon represents the road system within Washington Park **Primary Management concerns:** Hardscape Infrastructure.

No Species data is available.

Unit WASH*002

Size: 3.47 Acres
NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Upper 3rd Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 7/21/2006

Ecological Health: Poor. % Tree canopy: 80% % Non-Native Cover: 100

General Note:

Management Note:

Ivy is keeping all the other weeds down.

Eco Note:

Unit has complete ivy understory--half the canopy is non-native or ornamental trees concentrated in the uphill--southern and eastern part of the unit.

Primary Management concerns: Invasives, Soil Compaction, Litter, Hardscape Infrastructure, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Acer platanoides (Norway maple)	10% to 20%		10-20"	Y	
Sequoia sempervirens (redwood)	1% to 10%		>30"		
Aesculus hippocastanum (horsechestnut)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		20-30"		
Calocedrus decurrens (incense cedar)	1% to 10%		20-30"		
Fagus sylvatica (European beech)	1% to 10%		20-30"		
Picea sp. (spruce)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Prunus avium (sweet pie cherry)	1% to 10%		0-5"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rhododendron sp. (rhododendron)	1% to 10%				
Betula sp. (birch)	trace		10-20"		
Juglans sp. (walnut)	trace		5-10"		
Acer circinatum (vine maple)	trace				
Clematis vitalba (clematis)	trace				
Convolvulus arvensis (morning glory)	trace				
Oemleria cerasiformis (Indian-plum)	trace				
Polystichum munitum (sword fern)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Sambucus racemosa (red elderberry)	trace				
Symphoricarpos albus (snowberry)	trace				
Vinca minor (common small-leaf periwinkle)	trace				

Unit WASH*003

Size: 1.48 Acres

NVCS Class: Woodland

NVCS Subclass: Mixed evergreen-deciduous woodland

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous woodland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown **Landform:** Ridge top/peak > 120'

Slope: Gentle (10 to 20%)

Aspect: Southeast

Notes:

Visit date: 7/14/2006

Ecological Health: Severely Degraded.

% Tree canopy: 45% % Non-Native Cover: 95

General Note:

Unit is mowed grass park with large non-native and native trees. Perimeter of unit planted with horticultural shrubs. Washington Park Maintenance building in north end of unit.

Management Note:

Eco Note:

Sapsucker holes are present on the Cupressus tree.

Primary Management concerns: Invasives, Soil Compaction, Litter, Hardscape Infrastructure.

Visit Species:

COVER CLASS DOMINANT DBH REGENERATING PLANTED

Thuja plicata (western red cedar)	10% to 20%	Y	10-20"	
Pseudotsuga menziesii (Douglas fir)	1% to 10%	Y	>30"	Y
Hedera helix (English ivy)	1% to 10%	Y		
Acer macrophyllum (bigleaf maple)	1% to 10%		>30"	
Quercus garryana (Oregon white oak)	1% to 10%		>30"	
Quercus palustris (pin oak)	1% to 10%		>30"	
Ulmus sp. (elm tree)	1% to 10%		>30"	Y
Chamaecyparis lawsoniana (Port Orford cedar)	1% to 10%		20-30"	
Liquidambar styraciflua (sweetgum)	1% to 10%		20-30"	
Tilia cordata (littleleaf linden)	1% to 10%		20-30"	
Acer platanoides (Norway maple)	1% to 10%		10-20"	Y
Cupressus (cypress)	1% to 10%		10-20"	
Prunus cerasifera (cherry plum)	1% to 10%		10-20"	
Prunus sp. (cultivated cherry tree)	1% to 10%		10-20"	
Taxus sp. (yew) 1% to 1	0%	10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	
Hypericum x moserianum (dwarf St. John's wort)	1% to 10%			
Rhododendron sp. (rhododendron)	1% to 10%			
Rubus discolor (Himalayan blackberry)	1% to 10%			
Vinca minor (common small-leaf periwinkle)	1% to 10%			
Prunus avium (sweet pie cherry)	trace		0-5"	Y
Corylus cornuta (western beaked hazelnut)	trace			
Geranium robertianum (herb-Robert)	trace			
Ilex aquafolium (English holly)	trace			

Size: 3.47 Acres

NVCS Class: Woodland

NVCS Subclass: Mixed evergreen-deciduous woodland

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous woodland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown **Landform:** Ridge top/peak > 120'

Slope: Gentle (10 to 20%)

Aspect: South

Notes:

Visit date: 7/14/2006

Ecological Health: Severely Degraded.

% Tree canopy: 60% % Non-Native Cover: 90

General Note:

Unit is mowed grass park with large non-native and native trees. Perimeter of unit planted with horticultural shrubs. Holocaust memorial in middle of unit.

Management Note:

Eco Note:

Primary Management concerns: Invasives, Soil Compaction, Domestic Animals, Litter, Hardscape Infrastructure.

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	>30"		
Aesculus hippocastanum (horsechestnut)	10% to 20%		>30"	Y	
Fagus sylvatica (European beech)	1% to 10%		>30"		
Sequoiadendron giganteum (giant redwood)	1% to 10%		>30"		
Cedrus deodara (Deodar Cedar)	1% to 10%		20-30"		
Picea sp. (spruce)	1% to 10%		20-30"		
Pinus strobiformis (southwestern white pine)	1% to 10%		20-30"		
Quercus phellos (willow oak)	1% to 10%		20-30"		
Thuja occidentalis (arborvitae)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"		
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"	Y	
Betula pendula (European white birch)	1% to 10%		10-20"		
Pinus contorta (lodgepole pine)	1% to 10%		10-20"		

Thuja plicata (western red cedar)	1% to 10%		10-20"	
Abies concolor (white fir)	1% to 10%		5-10"	
Abies grandis (grand fir)	1% to 10%		5-10"	
Magnolia sp. (Magnolia)	1% to 10%		5-10"	
Tsuga canadensis (eastern hemlock)	1% to 10%		5-10"	
Acer palmatum (Japanese maple)	1% to 10%		0-5"	
Taxus sp. (yew)	1% to 10%	0-5"		
Camellia japonica (camellia)	1% to 10%			
Hedera helix (English ivy)	1% to 10%			
Hypericum x moserianum (dwarf St. John's	wort) 1% to 10%			
Rhododendron sp. (rhododendron)	1% to 10%			
Vinca minor (common small-leaf periwinkle) 1% to 10%			
Quercus palustris (pin oak)	trace		0-5"	Y
Bambusa sp. (bamboo)	trace			
Convolvulus arvensis (morning glory)	trace			
Ilex aquafolium (English holly)	trace			
Rubus discolor (Himalayan blackberry)	trace			

Size: 7.58 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-

Western Hemlock Forest

Landform: Canyon bottom < 600' **Slope:** Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 7/21/2006

Ecological Health: Poor. % Tree canopy: 75% % Non-Native Cover: 90

General Note:

Unit is composed of a deep ravine dominated by deciduous and coniferous native and non-native trees. The entire length of the ravine is lined with a 12 ft wide paved path covering an stream.

Management Note:

Eco Note:

Ivy dominates understory vegetation. Stream buried in unit.

Primary Management concerns: Invasives, Erosion, Trampling, Domestic Animals, Litter, Utility Infrastructure, Hardscape Infrastructure, Mountain Bike Impact, Informal Trails.

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Thuja plicata (western red cedar)	20% to 50%		20-30"	Y	
Polystichum munitum (sword fern)	20% to 50%				
Abies grandis (grand fir)	10% to 20%		20-30"		
Sequoiadendron giganteum (giant redwood)	1% to 10%		>30"		
Calocedrus decurrens (incense cedar)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"		
Aesculus hippocastanum (horsechestnut)	1% to 10%		10-20"	Y	
Juglans nigra (black walnut)	1% to 10%		10-20"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Convolvulus arvensis (morning glory)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rhododendron sp. (rhododendron)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				

Symphoricarpos albus (snowberry)	1% to 10%		
Abies sp. (fir)	trace	5-10"	
Acer platanoides (Norway maple)	trace	0-5"	Y
Juglans regia (English walnut)	trace	0-5"	Y
Sorbus aucuparia (European mountain ash)	trace	0-5"	
Geranium robertianum (herb-Robert)	trace		
Holodiscus discolor (oceanspray)	trace		
Lactuca muralis (wall lettuce)	trace		
Lapsana communis (common nipplewort)	trace		
Plantago major (common plantain)	trace		
Ranunculus repens (creeping buttercup)	trace		
Rubus parviflorus (thimbleberry)	trace		
Rumex obtusifolius (bitter dock)	trace		
Smilacina racemosa (false Solomon's-seal)	trace		

Size: 5.07 Acres

NVCS Class: Woodland

NVCS Subclass: Evergreen woodland

NVCS Group: Temperate needle-leaved evergreen woodland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown **Landform:** Ridge top/peak > 120'

Slope: Gentle (10 to 20%)

Aspect: Northeast

Notes:

Visit date: 7/21/2006

Ecological Health: Severely Degraded.

% Tree canopy: 45% % Non-Native Cover: 95

General Note:

Developed park at entrance to park. Mostly mowed areas with a semi-natural fringe near the road. Has a playground, picnic tables and gardens.

Management Note:

Eco Note:

Lots of hardscape, human use, and mowed lawn--diminishing ecological functionality. Two large QUGA were found in unit with a 44" and 42" DBH.

Primary Management concerns: Invasives, Trampling, Soil Compaction, Domestic Animals, Litter, Utility Infrastructure, Hardscape Infrastructure.

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Ilex aquafolium (English holly)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Fagus sylvatica (European beech)	1% to 10%		>30"		
Quercus garryana (Oregon white oak)	1% to 10%		>30"		
Sequoiadendron giganteum (giant redwood)	1% to 10%		>30"		
Abies grandis (grand fir)	1% to 10%		20-30"		
Acer macrophyllum (bigleaf maple)	1% to 10%		20-30"	Y	
Quercus robur (English oak)	1% to 10%		10-20"	Y	
Arbutus menziesii (Pacific madrone)	1% to 10%		5-10"		
Betula papyrifera (paper birch)	1% to 10%		5-10"		
Hedera helix (English ivy)	1% to 10%				
Pinus contorta (lodgepole pine)	trace		10-20"		
Liquidambar styraciflua (sweetgum)	trace		5-10"		
Magnolia sp. (Magnolia)	trace		5-10"		
Quercus macrocarpa (bur oak)	trace		5-10"		
Acer ginnala (Amur maple)	trace		0-5"		
Acer platanoides (Norway maple)	trace		0-5"	Y	
Aesculus hippocastanum (horsechestnut)	trace		0-5"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Juglans regia (English walnut)	trace		0-5"	Y	

Prunus avium (sweet pie cherry)	trace	0-5"	Y
Prunus cerasifera (cherry plum)	trace	0-5"	
Sorbus aucuparia (European mountain ash)	trace	0-5"	
Acer circinatum (vine maple)	trace		
Crataegus monogyna (European hawthorn)	trace		
Hydrangea sp. (ornamental hydrangea)	trace		
Hypericum x moserianum (dwarf St. John's wort)	trace		
Hypochaeris radicata (hairy cats-ear)	trace		
Ranunculus repens (creeping buttercup)	trace		
Rubus discolor (Himalayan blackberry)	trace		
Rubus laciniatus (evergreen blackberry)	trace		
Symphoricarpos albus (snowberry)	trace		
Vinca minor (common small-leaf periwinkle)	trace		

Size: 1.75 Acres

NVCS Class: Woodland

NVCS Subclass: Evergreen woodland

NVCS Group: Temperate needle-leaved evergreen woodland

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Upper 3rd Slope: Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 9/22/2006

Ecological Health: Severely Degraded.

% Tree canopy: 55% % Non-Native Cover: 95

General Note:

Somewhat natural landscaping with ornamental trees and shrubs. There is not too much maintenance in this unit making it a semi-natural subgroup.

Management Note:

Eco Note:

Hardscape management issue is the road curving through the unit.

Primary Management concerns: Invasives, Domestic Animals, Litter, Hardscape Infrastructure, Homeless Camp, Informal Trails.

Visit Species.					
•	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Hedera helix (English ivy)	20% to 50%	Y			
Hypericum x moserianum (dwarf St. John's wort)	10% to 20%				
Quercus garryana (Oregon white oak)	1% to 10%		>30"		
Abies grandis (grand fir)	1% to 10%		10-20"		
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"	Y	
Aesculus hippocastanum (horsechestnut)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Sequoia sempervirens (redwood)	1% to 10%		5-10"		
Malus sp. (cultivated apple tree)	1% to 10%		0-5"		
Polystichum munitum (sword fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Tilia americana (American basswood)	trace		10-20"		
Crataegus monogyna (European hawthorn)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Lathyrus latifolius (perennial pea)	trace				
Prunus laurocerasus (English laurel)	trace				
Pteridium aquilinum (bracken fern)	trace				
Rhododendron sp. (rhododendron)	trace				
Vinca minor (common small-leaf periwinkle)	trace				

Size: 1.04 Acres NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Upper 3rd Slope: Extremely Steep (over 30%)

Aspect: South

Notes:

Visit date: 7/21/2006

Ecological Health: Severely Degraded.

% Tree canopy: 65% % Non-Native Cover: 95

General Note:

Unit borders east side of drinking water reservoir. Upper part of the unit is bordered by a chain link fence.

Management Note:

Eco Note:

HEHE and HYMO dominate understory. **Primary Management concerns:** Invasives.

Visit Species:

•	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"	Y	TEIMTEE
Hedera helix (English ivy)	20% to 50%	Y			
Hypericum x moserianum (dwarf St. John's wort)	20% to 50%	-			
Abies grandis (grand fir)	1% to 10%		20-30"		
Betula pendula (European white birch)	1% to 10%		10-20"		
Ouercus palustris (pin oak)	1% to 10%		10-20"	Y	
Malus sp. (cultivated apple tree)	1% to 10%		0-5"		
Polystichum munitum (sword fern)	1% to 10%				
Rhododendron sp. (rhododendron)	1% to 10%				
Thuja plicata (western red cedar)	trace		20-30"		
Arbutus menziesii (Pacific madrone)	trace		10-20"		
Crataequs monogyna (European hawthorn)	trace		10-20"		
Liquidambar styraciflua (sweetqum)	trace		5-10"		
Acer macrophyllum (bigleaf maple)	trace		0-5"	Y	
Quercus robur (English oak)	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Geranium robertianum (herb-Robert)	trace				
Hydrangea sp. (ornamental hydrangea)	trace				
Lapsana communis (common nipplewort)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rubus ursinus (trailing blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Vinca minor (common small-leaf periwinkle)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow	trace				
Lathyrus latifolius (perennial pea)	trace				

Unit WASH*009

Size: 2.41 Acres

NVCS Class: Open Water NVCS Subclass: Open Water NVCS Group: Reservoir NVCS SubGroup: Cultural **NVCS Ecological System:** unknown

Landform: Other **Slope:** Flat (0 to 5%) **Aspect:** South

Visit date: 9/22/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% General Note:

This is the upper reservoir.

Wetland indicators: Surface Water, Standing Flowing Water. Primary Management concerns: Utility Infrastructure.

No Species data is available.

Unit WASH*010

Size: 4.74 Acres

NVCS Class: Woodland

NVCS Subclass: Evergreen woodland

NVCS Group: Temperate needle-leaved evergreen woodland

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Middle 3rd Slope: Extremely Steep (over 30%)

Aspect: East Notes:

Visit date: 9/22/2006

Ecological Health: Severely Degraded.

% Tree canopy: 50% % Non-Native Cover: 100

General Note:

Unit is a mix of exotics and planted horticultural species.

Management Note:

Eco Note:

Restoration work has been started on the north edge of the upper reservoir.

Primary Management concerns: Invasives, Hardscape Infrastructure.

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	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Hypericum x moserianum (dwarf St. John's wort)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		20-30"	Y	
Betula pendula (European white birch)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Crataegus monogyna (European hawthorn)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lathyrus latifolius (perennial pea)	1% to 10%				
Cedrus deodara (Deodar Cedar)	trace		20-30"		
Chamaecyparis lawsoniana (Port Orford cedar)	trace		10-20"		
Cirsium arvense (Canadian Thistle)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lapsana communis (common nipplewort)	trace				
Rhododendron sp. (rhododendron)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				

Size: 4.58 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: Steep bank between roads and rose garden.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% % Non-Native Cover: 95

General Note:

Steep bank between roads and rose garden.

No Species data is available.

Unit WASH*012

Size: 2.32 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse tree layer

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: Unit is a mowed area with ornamental trees and shrubs.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

 $\mbox{\%}$ Tree canopy: 0%

General Note:

Unit is a mowed area with ornamental trees and shrubs.

No Species data is available.

Unit WASH*013

Size: 0.38 Acres

NVCS Class: Woodland

NVCS Subclass: Evergreen woodland

NVCS Group: Temperate needle-leaved evergreen woodland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: Mowed area inside curve of road.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0%
% Non-Native Cover: 95

General Note:

Mowed area inside curve of road.

No Species data is available.

Unit WASH*014

Size: 0.94 Acres

NVCS Class: Sparse vegetation

NVCS Subclass: Consolidated rock sparse vegetation **NVCS Group:** Sparsely vegetated bedrock or pavement

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown Notes: Tennis courts

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% General Note: Tennis courts

Primary Management concerns: Hardscape Infrastructure.

No Species data is available.

Unit WASH*015

Size: 0.62 Acres NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: Steep bank between road and tennis courts.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% % Non-Native Cover: 95

General Note:

Steep bank between road and tennis courts.

No Species data is available.

Unit WASH*016

Size: 0.47 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse shrub layer

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: Unit is a mowed area between Tennis courts and road.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% General Note:

Unit is a mowed area between Tennis courts and road.

No Species data is available.

Unit WASH*017

Size: 0.4 Acres

NVCS Class: Sparse vegetation

NVCS Subclass: Consolidated rock sparse vegetation **NVCS Group:** Sparsely vegetated bedrock or pavement

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: Vendor buildings and landscaped area.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% General Note:

Vendor buildings and landscaped area.

Primary Management concerns: Hardscape Infrastructure.

No Species data is available.

Size: 1.34 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse tree layer

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: Unit is a mowed area with ornamental plantings.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0%

% Non-Native Cover: 100

General Note:

Unit is a mowed area with ornamental plantings.

No Species data is available.

Unit WASH*019

Size: 3.07 Acres

NVCS Class: Woodland

NVCS Subclass: Evergreen woodland

NVCS Group: Temperate needle-leaved evergreen woodland

NVCS SubGroup: Natural / Semi-natural **NVCS Ecological System:** unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: This unit is the elephant house and play area. It is composed of exotic tree species with a

mowed understory.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% % Non-Native Cover: 95

General Note:

This unit is the elephant house and play area. It is composed of exotic tree species with a mowed

understory.

Primary Management concerns: Invasives, Hardscape Infrastructure.

No Species data is available.

Unit WASH*020

Size: 5.04 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Middle 3rd Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 9/22/2006

Ecological Health: Poor. % Tree canopy: 80% % Non-Native Cover: 85

General Note:

Unit is located outside the fence that borders reservoir.

Management Note:

Unit is dominated by English ivy.

Eco Note:

Large gullies with severe streambank erosion runs through unit.

Wetland indicators: Streams, Hydrophilic Vegetation, Surface Water, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Litter, Stream Bank Erosion, Informal Trails. **Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Crataegus monogyna (European hawthorn)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		10-20"		
Alnus rubra (red alder)	trace		5-10"		
Prunus avium (sweet pie cherry)	trace		5-10"	Y	
Aesculus hippocastanum (horsechestnut)	trace		0-5"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Prunus cerasifera (cherry plum)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Rubus laciniatus (evergreen blackberry)	trace				

Unit WASH*021

Size: 3.15 Acres

NVCS Class: Woodland

NVCS Subclass: Evergreen woodland

NVCS Group: Temperate needle-leaved evergreen woodland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown **Landform:** Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: South

Notes:

Visit date: 9/8/2006

Ecological Health: Severely Degraded.

% Tree canopy: 50% % Non-Native Cover: 95

General Note:

Unit is a cultural area -- mowed grass, horticultural plantings, paved roads and trails are found through out the unit -- where there isn't groomed lawn, there is ivy.

Management Note:

Eco Note:

Primary Management concerns: Invasives, Soil Compaction, Litter, Hardscape Infrastructure, Informal Trails.

Visit Species:

COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
10% to 20%	Y	20-30"		
10% to 20%	Y			
10% to 20%				
1% to 10%		20-30"		
1% to 10%				
trace		20-30"		
trace		10-20"		
trace		5-10"		
trace		5-10"		
trace		0-5"		
trace				
tra	ce			
trace				
trace				
trace				
	10% to 20% 10% to 20% 10% to 20% 1% to 10% 1% to 10% trace	10% to 20% Y 10% to 20% Y 10% to 20% Y 10% to 10% to 10% trace	10% to 20% Y 20-30" 10% to 20% Y 10% to 20% 1% to 10% 20-30" 1% to 10% trace 20-30" trace 10-20" trace 5-10" trace 5-10" trace 5-10" trace trace trace trace trace trace trace	10% to 20% Y 20-30" 10% to 20% Y 10% to 20% Y 10% to 10% 20-30" 1% to 10% 20-30" trace 20-30" trace 10-20" trace 5-10" trace 5-10" trace 0-5" trace trace trace trace trace

Unit WASH*022

Size: 1.5 Acres

NVCS Class: Sparse vegetation

NVCS Subclass: Consolidated rock sparse vegetation **NVCS Group:** Sparsely vegetated bedrock or pavement

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: This unit includes the lower pump station and parking lot

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% General Note:

This unit includes the lower pump station and parking lot

Primary Management concerns: Hardscape Infrastructure.

No Species data is available.

Unit WASH*023

Size: 3.03 Acres

NVCS Class: Open Water

NVCS Subclass: Open Water NVCS Group: Reservoir NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: Other **Slope:** Flat (0 to 5%)

Aspect: East

Visit date: 9/22/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0% General Note:

This is the lower reservoir at Washington Park.

Wetland indicators: Surface Water, Standing Flowing Water.

Primary Management concerns: Utility Infrastructure.

No Species data is available.

Unit WASH*024

Size: 2.9 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial forb vegetation

NVCS Group: Temperate perennial forb vegetation

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Middle 3rd Slope: Extremely Steep (over 30%)

Aspect: East **Notes:**

Visit date: 9/22/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0%

% Non-Native Cover: 100

General Note:

This is the ivy covered slope above the lower reservoir.

Management Note:

Planted Ivy bed. No public access to this unit.

Eco Note:

Hardscape is the road curving through the unit.

Primary Management concerns: Invasives, Hardscape Infrastructure.

visit species.					
	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Hypericum x moserianum (dwarf St. John's wort)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%	Y	20-30"		
Betula papyrifera (paper birch)	trace		10-20"		
Sorbus aucuparia (European mountain ash)	trace		10-20"		
Bambusa sp. (bamboo)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lathyrus latifolius (perennial pea)	trace				
Ranunculus repens (creeping buttercup)	trace				
Trifolium pratense (red clover)	trace				

Size: 5.77 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Lower 3rd

Slope: Steep (20 to 30%)

Aspect: North

Notes:

Visit date: 9/8/2006

Ecological Health: Severely Degraded.

% Tree canopy: 75% % Non-Native Cover: 90

General Note:

Unit borders the south side of the most southern reservoir and is dominated by invasives. Homeless camps, mountain bike trails, litter, soil compaction and erosion, and drug paraphernalia have all been found in unit.

Management Note:

Block public access to unit.

Eco Note:

Water bureau road access road from Parks maintenance road into the southwest part of unit is highly eroded, resulting in gullies running down to the bottom of the unit. ACMA measured with a 44.5 DBH.

Primary Management concerns: Invasives, Erosion, Trampling, Soil Compaction, Litter, Utility Infrastructure, Homeless Camp, Mountain Bike Impact, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Prunus avium (sweet pie cherry)	1% to 10%		5-10"	Y	
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Clematis vitalba (clematis)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		10-20"		
Alnus rubra (red alder)	trace		5-10"	Y	
Aesculus hippocastanum (horsechestnut)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Lapsana communis (common nipplewort)	trace				
Melissa officinalis (lemon balm)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sambucus racemosa (red elderberry)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

Unit WASH*026

Size: 2.49 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Middle 3rd

Slope: Steep (20 to 30%)

Aspect: Southeast

Notes:

Visit date: 9/8/2006

Ecological Health: Poor. % Tree canopy: 70% % Non-Native Cover: 80

General Note:

Unit has been filled and is now infested with invasives.

Management Note:

Many informal trails observed between homeless camps.

Eco Note:

Ivy restoration has taken place, huge dead vines on trees and ground. Ivy covers ground layer. Tree and shrub structure is well developed.

Primary Management concerns: Invasives, Litter, Large Refuse, Homeless Camp, Informal Trails.

Visit Species:

COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
over 75% Y				
20% to 50%	Y	>30"		
20% to 50%	Y	20-30"	Y	
20% to 50%	Y			
20% to 50%	Y			
1% to 10%		20-30"	Y	
1% to 10%				
1% to 10%				
1% to 10%				
1% to 10%				
1% to 10%				
trace		10-20"		
trace		5-10"	Y	
trace		5-10"		
trace		5-10"		
trace		0-5"	Y	
trace			Y	
trace		0-5"	Y	
trace				
trace				
trace				
	over 75% Y 20% to 50% 1% to 10% 1% to 20%	over 75% Y 20% to 50% Y 20% to 50% Y 20% to 50% Y 20% to 50% Y 1% to 10% trace	over 75% Y 20% to 50% Y >30" 20% to 50% Y 20-30" 20% to 50% Y 20-30" 20% to 50% Y 20-30" 1% to 10% 1% trace 5-10" 10-20" trace trace 5-10" 5-10" trace 5-10" 5-10" trace trace trace trace trace trace trace 0-5"	over 75% Y 20% to 50% Y >30" 20% to 50% Y 20-30" Y 20% to 50% Y 20% to 50% Y 1% to 10% Y 20-30" Y 1% to 10% Y 20-30" Y 1% to 10% Y 1% to 10% Y 1% to 10% Y 1% to 10% Y 1% to 10% Y 1% to 10" Y 1% to 10% Y 1% to 10" Y 1% to 10% Y 1% to 10" Y 1% trace Y 5-10" Y 1% trace Y 5-10" Y 1% trace Y 10-5" Y

Unit WASH*027

Size: 3.81 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Ridge top/peak > 120'

Slope: Steep (20 to 30%)

Aspect: Northeast

Notes:

Visit date: 9/8/2006

Ecological Health: Poor. % Tree canopy: 85% % Non-Native Cover: 90

General Note:

Unit sits at the top of moderate slope and is dominated by ivy. HEHE is so well established in this unit that it is branching into shrub form in some places.

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Management Note:

Eco Note:

There has been recent ivy and holly removal.

Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails. **Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Oemleria cerasiformis (Indian-plum)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Castanea dentata (American chestnut)	trace		5-10"	Y	
Acer platanoides (Norway maple)	trace		0-5"	Y	
Betula papyrifera (paper birch)	trace		0-5"		
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Taxus brevifolia (Pacific yew)	trace		0-5"		
Vinca minor (common small-leaf periwinkle)	trace				

Unit WASH*028

Size: 3.42 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: Bench/Terrace **Slope:** Flat (0 to 5%) **Aspect:** Southeast

Notes:

Visit date: 9/8/2006

Ecological Health: Severely Degraded.

% Tree canopy: 5%

% Non-Native Cover: 100

General Note:

Unit is mowed grass field used for soccer games. Parks is mowing the wall of RUDI that encircles the field.

Management Note:

Eco Note:

Primary Management concerns: Soil Compaction, Litter, Utility Infrastructure.

Rubus discolor (Himalayan blackberry)
Plantago major (common plantain)
Prunella vulgaris var. vulgaris (common selfheal
Taraxacum officinale (common dandelion)

Unit WASH*029

Size: 14.79 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Middle 3rd Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 9/1/2006

Ecological Health: Fair. % Tree canopy: 80% % Non-Native Cover: 75

General Note:

Unit is a mixed forest on a moderately steep slope above Hwy 26. Soil compaction is associated with the Zoo train track. Utility consists of buried electrical line and trash racks in stream.

1% to 10%

trace

trace

Management Note:

There is a mountain bike jump carved into an informal trail.

Eco Note:

English ivy dominates understory and is climbing trees into the canopy.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Soil Compaction, Litter, Utility Infrastructure, Mountain Bike Impact, Informal Trails.

-	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Oemleria cerasiformis (Indian-plum)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Acer platanoides (Norway maple)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Adiantum pedatum (maidenhair fern)	trace				
Clematis vitalba (clematis)	trace				
Cornus sericea ssp. sericea (red-osier dogwood)	trace				
Corylus cornuta (western beaked hazelnut)	trace				
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Lapsana communis (common nipplewort)	trace				
Ranunculus repens (creeping buttercup)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				
Symphoricarpos albus (snowberry)	trace				

Size: 6.25 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Middle 3rd Slope: Extremely Steep (over 30%)

Aspect: East Notes:

Visit date: 9/1/2006

Ecological Health: Poor. % Tree canopy: 70% % Non-Native Cover: 80

General Note:

Unit is a mixed deciduous forest on a moderately steep slope.

Management Note:

Soil compaction is associated with the Zoo train tracks. Hardscape is associated with the Zoo train station.

Eco Note:

English ivy dominates the understory.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water

Primary Management concerns: Invasives, Soil Compaction, Litter, Hardscape Infrastructure, Informal Trails.

Visit Species:

•	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rhododendron sp. (rhododendron)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		10-20"		
Abies grandis (grand fir)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Thuja plicata (western red cedar)	trace		0-5"	Y	
Clematis vitalba (clematis)	trace				
Corylus cornuta (western beaked hazelnut)	trace				
Crataegus monogyna (European hawthorn)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow	trace				
Geranium robertianum (herb-Robert)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Prunus lusitanica (Portugal laurel)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Vinca minor (common small-leaf periwinkle)	trace				

Unit WASH*031

Size: 6.07 Acres

NVCS Class: Woodland

NVCS Subclass: Evergreen woodland

NVCS Group: Temperate needle-leaved evergreen woodland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: This unit consists of the Japanese Gardens

Visit date: 10/4/2006

Ecological Health: Fair. % Tree canopy: 0% % Non-Native Cover: 85

General Note:

This unit consists of the Japanese Gardens

Management Note:

Some plants are escaping to neighboring forested areas.

Primary Management concerns: Invasives, Utility Infrastructure, Hardscape Infrastructure.

No Species data is available.

Unit WASH*032

Size: 2.14 Acres NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural **NVCS Ecological System:** unknown **Landform:** Ridge top/peak < 120' **Slope:** Extremely Steep (over 30%)

Aspect: East **Notes:**

Visit date: 9/22/2006

Ecological Health: Poor. **% Tree canopy:** 75% **% Non-Native Cover:** 75

General Note:

Unit is a knife-edged ridge north of Japanese garden.

Management Note:

Homeless camp and severe invasives.

Eco Note:

Very dry site. Some trees have had Ivy removal. Top of ridge is mostly free of ivy, while the steep side slopes are dominated by Ivy in the understory. Douglas fir is regenerating profusely on this site. Cornus nutallii is the rare plant.

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Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"	Y	
Ilex aquafolium (English holly)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Corylus avellana (common filbert)	10% to 20%	Y			

Gaultheria shallon (salal)	10% to 20%	
Tsuga heterophylla (western hemlock)	1% to 10%	20-30"
Thuja plicata (western red cedar)	1% to 10%	0-5" Y
Acer circinatum (vine maple)	1% to 10%	
Polystichum munitum (sword fern)	1% to 10%	
Acer palmatum (Japanese maple)	trace	0-5" Y
Cornus nuttallii (Pacific dogwood)	trace	0-5"
Sorbus aucuparia (European mountain ash)	trace	0-5" Y
Crataegus monogyna (European hawthorn)	trace	
Cytisus scoparius (Scot's broom)	trace	
Holodiscus discolor (oceanspray)	trace	
Toxicodendron diversilobum (poison oak)	trace	
Vinca minor (common small-leaf periwinkle)	trace	

Size: 1.36 Acres

NVCS Class: Sparse vegetation

NVCS Subclass: Consolidated rock sparse vegetation **NVCS Group:** Sparsely vegetated bedrock or pavement

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown

Notes: This unit is the road from the parking lot to the entrance of Japanese gardens.

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0%

General Note:

This unit is the road from the parking lot to the entrance of Japanese gardens.

Primary Management concerns: Hardscape Infrastructure.

No Species data is available.

Unit WASH*034

Size: 4.91 Acres NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Ridge top/peak < 120' Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 9/22/2006

Ecological Health: Poor. **% Tree canopy:** 80% **% Non-Native Cover:** 85

General Note:

Management Note:

Eco Note:

Wetland indicators: Streams.

Primary Management concerns: Invasives, Litter, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Ilex aquafolium (English holly)	20% to 50%	Y			
Corylus cornuta (western beaked hazelnut)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%				
Berberis nervosa (Oregon grape)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		10-20"		
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Thuja plicata (western red cedar)	trace		0-5"	Y	
Acer circinatum (vine maple)	trace				
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Osmorhiza chilensis (mountain sweet-cicely)	trac	ce			
Vancouveria hexandra (white inside-out-flower)	trace				

Unit WASH*035

Size: 7.29 Acres
NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Upper 3rd Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 9/22/2006

Ecological Health: Fair. **% Tree canopy:** 85% **% Non-Native Cover:** 80

General Note:

There appears to be old landslides or maybe road grades that have mature trees growing on the surface.

Management Note:

Trail is asphalt surfaced.

Eco Note:

Ecohealth is a 3 despite the high level of English ivy in the groundcover. There is rich species diversity in trees, shrubs, and forb layers. Rare plant is Lilium columbianum.

Primary Management concerns: Invasives, Domestic Animals, Litter, Hardscape Infrastructure, Informal Trails.

COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
over 75% Y				
20% to 50%	Y	20-30"	Y	
20% to 50%	Y	10-20"	Y	
10% to 20%		10-20"	Y	
10% to 20%				
1% to 10%	Y			
1% to 10%	Y			
1% to 10%		0-5"	Y	
	over 75% Y 20% to 50% 20% to 50% 10% to 20% 10% to 20% 1% to 10% to 10% 1% to 10%	over 75% Y 20% to 50% Y 20% to 50% Y 10% to 20% 10% to 20% 1% to 10% Y 1% to 10% Y	over 75% Y 20% to 50% Y 20% to 50% Y 10-20" 10% to 20% 10-20" 1% to 10% Y 1% to 10% Y	over 75% Y 20% to 50% Y 20-30" Y 20% to 50% Y 10-20" Y 10% to 20% 10-20" Y 10% to 20% Y Y 1% to 10% Y 1% to 10% Y

Oemleria cerasiformis (Indian-plum)	1% to 10%		
Rubus parviflorus (thimbleberry)	1% to 10%		
Vaccinium parvifolum (red huckleberry)	1% to 10%		
Abies grandis (grand fir)	trace	20-30"	Y
Prunus emarginata (bitter cherry)	trace	0-5"	
Sorbus aucuparia (European mountain ash)	trace	0-5"	
Acer circinatum (vine maple)	trace		
Crataegus monogyna (European hawthorn)	trace		
Disporum hookeri (Hooker's fairybells)	trace		
Gaultheria shallon (salal)	trace		
Geranium robertianum (herb-Robert)	trace		
Geum urbanum (herb bennet)	trace		
Lactuca muralis (wall lettuce)	trace		
Lilium columbianum (tiger-lily)	trace		
Prunus laurocerasus (English laurel)	trace		
Rosa gymnocarpa (dwarf wood rose)	trace		
Sambucus racemosa (red elderberry)	trace		

Size: 7.09 Acres NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-

Western Hemlock Forest

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 9/1/2006

Ecological Health: Fair. % Tree canopy: 90% % Non-Native Cover: 60

General Note:

This unit has high native plant diversity including trees, shrubs, and forbs despite having a high coverage of low growing English ivy.

Management Note:

Eco Note:

There is a substantial amount of regenerating western hemlock and grand fir in this unit.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Domestic Animals, Litter, Stream Bank Erosion, Informal Trails.

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Ilex aquafolium (English holly)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		20-30"	Y	
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		10-20"		
Acer platanoides (Norway maple)	trace		0-5"		
Juglans nigra (black walnut)	trace		0-5"		

Adiantum pedatum (maidenhair fern)	trace
Asarum caudatum (wild ginger)	trace
Corylus avellana (common filbert)	trace
Geranium robertianum (herb-Robert)	trace
Lonicera ciliosa (western orange honeysuckle)	trace
Persea sp. (bay laurel)	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Prunus sp. (cultivated cherry tree)	trace
Rhamnus purshiana (cascara)	trace
Rhododendron sp. (rhododendron)	trace
Trillium ovatum (trillium)	trace
Vancouveria hexandra (white inside-out-flower)	trace

Size: 16.12 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Upper 3rd Slope: Extremely Steep (over 30%)

Aspect: Northeast

Visit date: 7/28/2006

Ecological Health: Fair. **% Tree canopy:** 80% **% Non-Native Cover:** 60

General Note:

Some areas in this unit are very healthy with high native plant diversity and structure. Other parts are severely degraded by Ivy and blackberry.

Management Note:

There was a homeless camp that had been served 24 hour notice for removal of items.

Eco Note:

There is a restoration project underway that is removing blackberry in the southern lobe of the unit.

Primary Management concerns: Invasives, Domestic Animals, Homeless Camp, Informal Trails.

1					
•	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				
Berberis nervosa (Oregon grape)	10% to 20%				
Gaultheria shallon (salal)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rhododendron sp. (rhododendron)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Alnus rubra (red alder)	trace		5-10"		
Abies grandis (grand fir)	trace		0-5"	Y	
Acer platanoides (Norway maple)	trace		0-5"	Y	
Aesculus hippocastanum (horsechestnut)	trace		0-5"	Y	
Persea sp. (bay laurel)	trace		0-5"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Prunus laurocerasus (English laurel)	trace				
Rubus laciniatus (evergreen blackberry)	trace				

Rubus ursinus (trailing blackberry) Rumex obtusifolius (bitter dock) Vaccinium parvifolum (red huckleberry)

Unit WASH*038

Size: 1.26 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: Broad flat > 600'

Slope: Flat (0 to 5%) **Aspect:** Southeast

Notes:

Visit date: 9/1/2006

Ecological Health: Severely Degraded.

% Tree canopy: 5%

% Non-Native Cover: 100

General Note:

Unit is the mowed archery range. There are several planted horticultural tress. There is a trace amount of an unknown weedy ground cover (possibly mustard).

Management Note:

Eco Note:

Primary Management concerns: Invasives, Trampling, Soil Compaction, Litter. **Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hypochaeris radicata (hairy cats-ear)	10% to 20%	Y			
Acer saccharinum (silver maple)	1% to 10%		10-20"		
Nyssa sylvatica (blackgum tupelo)	trace		0-5"		
Matricaria discoidea (pineapple weed)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Polygonum persicaria (spotted lady's-thumb)	tra	ce			
Taraxacum officinale (common dandelion)	trace				
Trifolium repens (common clover)	trace				

trace

trace

Unit WASH*039

Size: 4.84 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-

Western Hemlock Forest

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 9/14/2004

Ecological Health: Fair. % Tree canopy: 75% % Non-Native Cover: 40

General Note:

Unit is located just west of SW Kingston Drive in Hoyt Arboretum. The Wildwood Trail dissects the unit in the western portion.

Management Note:

Invasives are dominated by HEHE, weedy forbs are found around trails.

Eco Note:

Unit is a moderately steep east facing slope leading up into Hoyt Arboretum. Invasives are most prevalent along edges with groomed Arboretum spaces, along trails and roads.

Primary Management concerns: Invasives, Domestic Animals, Litter, Utility Infrastructure, Informal Trails.

Visit Species:

-	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		Y
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Hedera helix (English ivy)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		10-20"	Y	Y
Alnus rubra (red alder)	1% to 10%		10-20"		
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		5-10"		
Thuja plicata (western red cedar)	trace		0-5"		Y
Alliaria petiolata (garlic mustard)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit WASH*040

Size: 18.33 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-

Western Hemlock Forest

Landform: Side-hill, Lower 3rd **Slope:** Extremely Steep (over 30%)

Aspect: Southeast

Visit date: 7/28/2006

Ecological Health: Fair. % Tree canopy: 85% % Non-Native Cover: 55

General Note:

Steep unit above Highway 26.

Management Note:

The Zoo train runs right through the middle of this unit. The rail line accounts for the soil contamination and soil compaction. There are a lot of weeds associated with the cut for the tracks and the surfacing.

Eco Note:

Non-native plants are scattered throughout unit but there is still quite a lot of native plant structure and diversity.

Wetland indicators: Streams, Saturated Soils.

Primary Management concerns: Invasives, Soil Compaction, Soil Contamination, Litter, Large Refuse, Homeless Camp, Informal Trails.

Visit Species:

· · · · · · · · · · · · · · · · · · ·					
	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Hedera helix (English ivy)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%				
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Abies grandis (grand fir)	trace		>30"	Y	
Thuja plicata (western red cedar)	trace		10-20"		
Tsuga heterophylla (western hemlock)	trace		10-20"		
Acer pseudoplatanus (Sycamore maple)	trace		0-5"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Bambusa sp. (bamboo)	trace				
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Daucus carota (Queen Anne's lace)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow	trace				
Galium aparine (cleavers)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Physocarpus capitatus (Pacific ninebark)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit WASH*041

Size: 4.79 Acres NVCS Class: Forest

NVCS Subclass: Deciduous forest NVCS Group: Cold-deciduous forest NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Lower 3rd Slope: Extremely Steep (over 30%)

Aspect: South

Visit date: 7/28/2006

Ecological Health: Poor. % Tree canopy: 75% % Non-Native Cover: 70

General Note:

There is a large landslide in this unit starting from the road near the archery range and extending almost down to the Zoo Train tracks.

Eco Note:

There are ornamental plantings along the road at the top of the unit.

Primary Management concerns: Invasives, Erosion, Soil Compaction, Soil Contamination, Litter.

Visit Species:

		COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)		20% to 50%	Y	10-20"	Y	
Hedera helix (English ivy)		20% to 50%	Y			
Alnus rubra (red alder)		10% to 20%		5-10"		
Corylus cornuta (western beaked hazelnut)		1% to 10%	Y			
Oemleria cerasiformis (Indian-plum)		1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)		1% to 10%		10-20"	Y	
Geranium robertianum (herb-Robert)		1% to 10%				
Rubus discolor (Himalayan blackberry)		1% to 10%				
Thuja plicata (western red cedar)		trace		10-20"		
Prunus emarginata (bitter cherry)		trace		5-10"		
Juglans regia (English walnut)		trace		0-5"	Y	
Persea sp. (bay laurel)		trace		0-5"	Y	
Quercus sp. (oak)	trace		0-5"	Y		
Sorbus aucuparia (European mountain ash)		trace		0-5"	Y	
Clematis vitalba (clematis)		trace				
Crataegus monogyna (European hawthorn)		trace				
Daucus carota (Queen Anne's lace)		trace				
Galium aparine (cleavers)		trace				
Holcus lanatus (velvet grass)		trace				
Ilex aquafolium (English holly)		trace				
Lapsana communis (common nipplewort)		trace				
Rubus laciniatus (evergreen blackberry)		trace				
Rubus ursinus (trailing blackberry)		trace				
Rumex obtusifolius (bitter dock)		trace				
Sonchus asper (spiny sowthistle)		trace				
Vitis riparia (riverbank grape)		trace				

Unit WASH*042

Size: 11.44 Acres NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown Landform: Side-hill, Middle 3rd Slope: Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 9/1/2006

Ecological Health: Fair. % Tree canopy: 85% % Non-Native Cover: 70

General Note:

The unit lies above Hwy 26 and below the park road. Zoo train runs through unit.

Management Note:

There are some old road grades in the unit. The lowest one ends at a steep slope that has erosion control material installed.

Eco Note:

English ivy covers most of the understory. The unit has a well developed shrub layer.

Primary Management concerns: Invasives, Soil Compaction, Litter, Homeless Camp, Informal Trails.

Visit Species:

COVER CLASS DOMINANT DBH REGENERATING PLANTED Hedera helix (English ivy) 50% to 75% Y

Pseudotsuga menziesii (Douglas fir)	20% to 50% Y	20-30"	
Oemleria cerasiformis (Indian-plum)	20% to 50% Y		
Acer macrophyllum (bigleaf maple)	20% to 50%	10-20"	Y
Ilex aquafolium (English holly)	10% to 20%		
Polystichum munitum (sword fern)	10% to 20%		
Alnus rubra (red alder)	1% to 10%	10-20"	
Acer circinatum (vine maple)	1% to 10%		
Berberis nervosa (Oregon grape)	1% to 10%		
Corylus cornuta (western beaked hazelnut)	1% to 10%		
Gaultheria shallon (salal)	1% to 10%		
Prunus laurocerasus (English laurel)	1% to 10%		
Rubus parviflorus (thimbleberry)	1% to 10%		
Vaccinium parvifolum (red huckleberry)	1% to 10%		
Abies grandis (grand fir)	trace	5-10"	
Sorbus aucuparia (European mountain ash)	trace	5-10"	
Aesculus hippocastanum (horsechestnut)	trace	0-5"	
Crataegus monogyna (European hawthorn)	trace	0-5"	
Prunus avium (sweet pie cherry)	trace	0-5"	
Geranium robertianum (herb-Robert)	trace		
Geum urbanum (herb bennet)	trace		
Lapsana communis (common nipplewort)	trace		
Philadelphus lewisii (Lewis' mockorange)	trace		
Rubus discolor (Himalayan blackberry)	trace		
Rumex obtusifolius (bitter dock)	trace		
Viburnum edule (squashberry)	trace		

Size: 2.17 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland **NVCS Group:** Cold-deciduous woodland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown **Landform:** Side-hill, Middle 3rd

Slope: Gentle (5 to 10%)

Aspect: North

Notes:

Visit date: 9/1/2006

Ecological Health: Severely Degraded.

% Tree canopy: 50% % Non-Native Cover: 95

General Note:

Management Note:

Eco Note:

Primary Management concerns: Soil Compaction, Litter, Mountain Bike Impact, Informal Trails.

Visit Species:

	COARL CHAPP	DOMINANT	DDII	KEGEMEKATING	FIRMIED
Acer platanoides (Norway maple)	20% to 50%	Y	10-20"		
Acer macrophyllum (bigleaf maple)	1% to 10%		>30"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Prunus cerasifera (cherry plum)	1% to 10%		0-5"		
Hypochaeris radicata (hairy cats-ear)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit WASH*044

Size: 1.37 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse tree layer

NVCS SubGroup: Cultural

NVCS Ecological System: unknown **Landform:** Side-hill, Upper 3rd **Slope:** Steep (20 to 30%)

Aspect: Southeast

Notes:

Visit date: 9/1/2006

Ecological Health: Severely Degraded.

% Tree canopy: 20% % Non-Native Cover: 100

General Note:

Unit is a mowed grass meadow with planted horticultural trees.

Management Note:

Continue to mow to control non-native forb layer

Eco Note:

Primary Management concerns: Invasives, Domestic Animals, Litter. **Visit Species:**

•	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Lolium multiflorum (Italian ryegrass)	10% to 20%	Y			
Hypochaeris radicata (hairy cats-ear)	1% to 10%	Y			
Plantago lanceolata (English narrowleaf buckhorn	1% to 10%	Y			
Taraxacum officinale (common dandelion)	1% to 10%	Y			
Juglans cinerea (butternut)	1% to 10%		10-20"		
Pterocarya rhoifolia (Japanese wingnut)	1% to 10%		10-20"		
Carya ovata (shagbark hickory)	1% to 10%		5-10"		
Lapsana communis (common nipplewort)	1% to 10%				
Calocedrus decurrens (incense cedar)	trace		20-30"		
Catalpa speciosa (northern catalpa)	trace		10-20"		
Prunus avium (sweet pie cherry)	trace		10-20"		
Diospyros virginiana (common persimmon)	trace		5-10"		
Metasequoia glyptostroboides (Dawn Redwood)	trac	ce		5-10"	
Pterostyrax hispidus (fragrant epaulette tree)	trace		5-10"		
Cirsium sp. (thistle)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				
Trifolium repens (common clover)	trace				

Unit WASH*101

Size: 0.52 Acres NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-

Western Hemlock Forest

Landform: Side-hill, Upper 3rd **Slope:** Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 7/14/2006

Ecological Health: Severely Degraded.

% Tree canopy: 85% % Non-Native Cover: 95

General Note:

Steep slope between top of hill and road.

Management Note:

Eco Note:

Ivy covers the entire ground layer and is climbing into trees.

Primary Management concerns: Invasives, Litter.

Visit Species:

•	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Abies grandis (grand fir)	10% to 20%		>30"		
Aesculus hippocastanum (horsechestnut)	1% to 10%		20-30"	Y	
Fagus sylvatica (European beech)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"		
Calocedrus decurrens (incense cedar)	1% to 10%		5-10"		
Thuja plicata (western red cedar)	1% to 10%		5-10"		
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Viburnum edule (squashberry)	1% to 10%				
Acer macrophyllum (bigleaf maple)	trace		0-5"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Rhamnus purshiana (cascara)	trace		0-5"	Y	
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Polystichum munitum (sword fern)	trace				

Unit WASH*102

Size: 6.18 Acres

NVCS Class: Shrubland

NVCS Subclass: Deciduous shrubland **NVCS Group:** Cold-deciduous shrubland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown Slope: unknown Aspect: unknown Notes: Rose Garden

Visit date: 10/4/2006

Ecological Health: Severely Degraded.

% Tree canopy: 0%

% Non-Native Cover: 100

General Note:
Rose Garden

Primary Management concerns: Trampling, Hardscape Infrastructure.

No Species data is available.